



# FEMA

## HAZUS-MH: “Out of the Box” Emergency Management Applications

*Need to show a county manager damage estimates for a flooding event?*

*Want to know the economic impact of a hurricane or earthquake?*

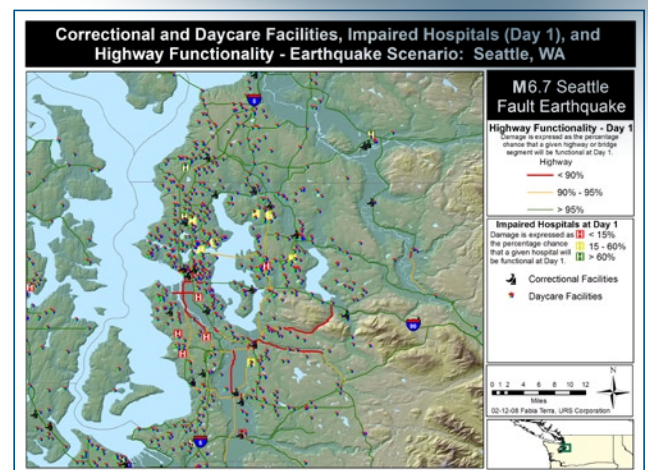
*How will you collaborate with multiple agencies on a mitigation plan?*

### Level 1 HAZUS-MH Scenarios Provide Useful Analyses

A unique feature of HAZUS-MH is the inventory that comes with the software, which consists of hazard data, boundary map data and thirty national datasets of building stock, lifelines and the population. A Level 1 analysis is most useful for regional or statewide loss estimates in support of risk assessments, mitigation and response planning.

#### Inventory data sets include:

- **Essential Facilities:** police, fire, emergency operations facilities, schools, medical facilities
- **Lifelines:** utilities and transportation
- **General Building Stock:** residential, commercial, and industrial (aggregated by square footage)
- **Demographics:** data can be aggregated by age, income, sex, households and other attributes that have a direct bearing on vulnerability to disasters.



**Try using HAZUS-MH “out of the box” and see how it can help satisfy many of your GIS and data-use needs. For detailed planning at the municipal or county level, states are encouraged to update their inventory, which will significantly improve the accuracy of the analysis.**

## Emergency Management Applications Using HAZUS-MH “Out of the Box”.

Professionals Using HAZUS-MH	Key HAZUS-MH User Roles	"Out of the Box" Applications
DPW, County Officials, Floodplain Managers, Building Code Officials, Tax Assessors	<b>Data Developer:</b> Collect and contribute data on the project area	Analyze exposure (population, general building stock, essential facilities) to different hazard scenarios
GIS Professionals and HAZUS-MH Software Users	<b>Data Manipulator:</b> Run HAZUS-MH and compile and use the data collected by the data developers	Use CDMS to upload and download statewide datasets
Engineers, Consultants, Floodplain Managers, Building Code Officials	<b>Data Interpreter:</b> Analyze the results of a HAZUS-MH run	Analyze exposure (population, general building stock, essential facilities) to different hazard scenarios
Risk Managers, Mitigation Planners, Political Leaders, Building Code Officials	<b>Decision Maker:</b> Use the results of a HAZUS-MH run to establish priorities for mitigation projects and response and recovery operations	Map-based infrastructure and visualized hazard risks

### HAZUS “Out of the Box” Use By Hawaii Emergency Managers.

The State of Hawaii uses HAZUS “out of the box” to prepare and respond to potentially devastating earthquakes. The Pacific Disaster Center (PDC)—in collaboration with Hawaii State Civil Defense and the Hawaii State Earthquake Advisory Committee (HSEAC)—created the Hawaii HAZUS Atlas (HHA). The HHA is a web-based catalog of 20 “plausible” hypothetical earthquakes based on historical events located in (and around) Maui and Hawaii Counties. “HHA is a web-enabled tool that drastically saves time in delivering critical information to disaster managers,” states PDC Chief Scientist Stanley Goosby. This HAZUS “out of the box” use helped create a powerful risk communication tool that enabled the immediate collaboration of multiple agencies requiring disaster information.

### Maximize your HAZUS-MH results by working in collaboration with other professionals.

Participate in a HAZUS User Group. HAZUS User Groups are partnerships between public and private sector organizations that collaborate on projects, combine resources and share information, data, and tips on using HAZUS-MH. Over twenty HAZUS User Groups operate throughout the United States. Find one in your area by visiting [www.fema.gov/plan/prevent/hazus](http://www.fema.gov/plan/prevent/hazus).

#### Seamlessly Import Local Data with CDMS!

HAZUS’ Comprehensive Data Management System (CDMS) enables HAZUS-MH users to import local data for more detailed analyses.



### Use HAZUS-MH before the next disaster strikes!

Training is widely available at FEMA’s Emergency Management Institute, on-line and in the regions.

**HAZUS-MH is Free!**

Order your copy from FEMA’s Publication Warehouse (800) 480-2520 or visit [www.fema.gov/plan/prevent/hazus](http://www.fema.gov/plan/prevent/hazus) to learn more.



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